SECTION 1 – CORVETTE / STS / XLR SMART ENTRY PROX SYSTEMS

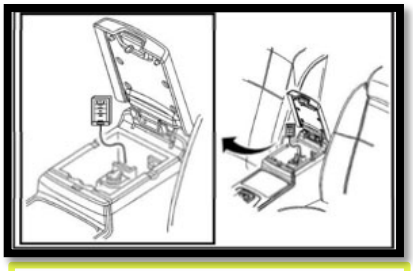
T-CODE PRO
SOFTWARE - ADS-187
GM USA-2012

These models are now currently supported:

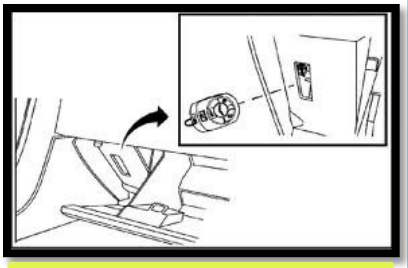
YEAR	MAKE	MODEL	PIN CODE READING	NEEDS SMC (or web security)	Dongle
2005-2012	CHEVROLET	CORVETTE	NO PIN REQUIRED	YES	C
2008-2011	CADILLAC	CTS	NO PIN REQUIRED	YES	K
2005-2012	CADILLAC	STS	NO PIN REQUIRED	YES	K
2005	CADILLAC	XLR	NO PIN REQUIRED	YES	C

Please Note: Requires purchased software version 10.05 or higher loaded on TCODE PRO (Beta at time of production of this guide. Expected release for MVP Pro week of April 9th.

Corvette & STS START/ STOP Pushbutton.



STS learning pocket is located in the rear of the center console. (Insert FOB buttons facing the front of the car).



Corvette learning pocket is located in the glove box. (Insert FOB button facing passenger door).

How to program additional FOBS if you already have at least one working proximity FOB.

1. Vehicle must be off.
2. Place the working remote in the cup holder. Have the new remote outside the vehicle.
3. Insert the key into the key lock cylinder located on the outside of drivers door.
4. Turn the key to the unlock position five times within five seconds.
5. The (DIC) Driver Information Center displays Ready to Learn FOB #2, 3 or 4
6. Place the new remote to be programmed into the transmitter pocket with the buttons facing towards the front of the vehicle. (The transmitter pocket is inside the center console between the driver and front passenger seats).
7. A beep sounds once the remote is programmed. The DIC displays Ready to Learn electronic Key #3 or 4, Or Maximum # Electronic Keys Learned.
8. Press the START/ STOP BUTTON to exit programming mode.
9. Remove the remote from the transmitter pocket and press unlock to the remote two times.
10. To program additional remotes, repeat Steps 6 through 9. **The system will hold anywhere from 1 to 4 FOBS.**

NOTE: Canadian vehicles may require TWO programmed keys to add using on board procedure.

IF NO PROGRAMMED FOBS ARE AVAILABLE FOLLOW THE PROCEDURE ON THE NEXT PAGE USING ADS-187

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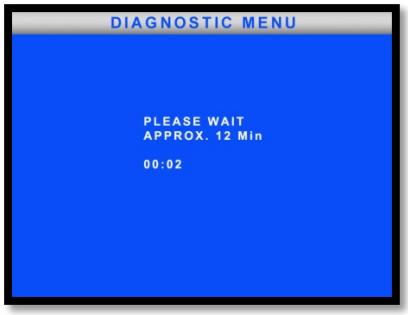
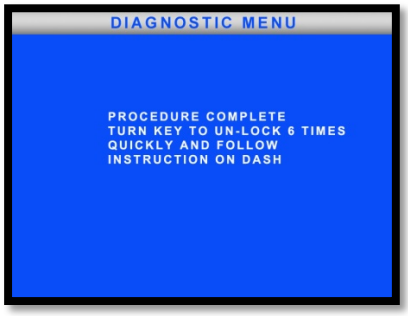
STEP 1-Connect the PRO to the vehicles OBD2 connecter using the ADC-250 main cable and the K or C dongle (check guide).
SELECT: +GM USA
+IMMOBILIZER/ BY VEHICLE / Select: STS or Corvette/ Select the correct year for the model you are programming IE. 2005-2012 / Last select: PROGRAM PROX KEY.



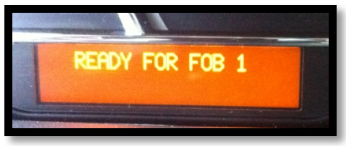


PROGRAM PROX KEY will take 12 minutes to prepare the vehicles RCDLR (Remote Control Door Lock Receiver) to accept NEW FOBS (up to 4 Max.)
Make sure the vehicle's battery voltage remains at least 12 volts.

THE PROCEDURE ERASES ALL PREVIOUSLY PROGRAMMED PROX FOBS

Please Note: Requires software version 10.05 or higher loaded onto your PRO (Beta at time of production of this guide.

STEP 2- Turn the key in the door or on Corvette/CTS in the rear hatch lock 6 times to unlock.
The car should beep and the dashboard should DISPLAY: "READY FOR FOB 1"



STEP 3- Place the 1st new FOB to be learned in the learning pocket.
The car should beep and program FOB 1 and the dash should say: READY FOR FOB 2.
Place the 2nd FOB in the learning slot.
Again the car should beep and the dash should say READY FOR FOB 3 , REPEAT until you are finished or a MAX of 4 FOBS are learned.
START THE ENGINE with a programmed FOB in the learning pocket and then press the unlock button twice on each FOB to complete the procedure & test the FOBS.

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T-CODE PRO
ADS-187
GM USA -2012
OPTIONAL SOFTWARE

SECTION 2 – SWITCH BLADE KEY & PEPS 2010+ SYSTEMS

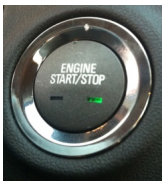
These models are currently supported:

Please Note: Requires purchased software version 10.04 or higher loaded on TCODE PRO (Beta at time of production of this guide. Expected release for MVP Pro week of April 9th.

YEAR	MAKE	MODEL	PIN CODE READING	SMC	Dongle
2010-2012	BUICK	LACROSS-KEY	YES / Most Engines Except V4 1.2L (Canada)	YES	K
		LACROSS-PEPS	YES / Most Engines Except V4 1.2L (Canada)	YES	K
2011-2012	BUICK	REGAL-KEY	YES / Most Engines Except V4 1.2L (Canada)	YES	K
		REGAL-PEPS	YES / Most Engines Except V4 1.2L (Canada)	YES	K
2012	BUICK	VERANO-KEY	YES / Most Engines Except V4 1.2L (Canada)	YES	K
		VERANO-PEPS	YES / Most Engines Except V4 1.2L (Canada)	YES	K
2010-2012	CADILLAC	SRX-PEPS	YES / Most Engines Except V4 1.2L (Canada)	YES	K
2010-2011	CHEVROLET	CAMARO-KEY	YES / Most Engines Except V6 3.6L (USA/Canada)	YES	K
2012	CHEVROLET	CAMARO-KEY	YES	YES	K
2010-2012	CHEVROLET	CAMARO-KEY	YES	YES	K
2011-2012	CHEVROLET	CRUZE-KEY	YES / Most Engines	YES	K
		CRUZE-PEPS	YES / Most Engines	YES	K
2010-2012	CHEVROLET	EQUINOX-KEY	YES / Most Engines	YES	K
2012	CHEVROLET	SONIC-KEY	YES / Most Engines	YES	K
2010-2012	GMC	TERRAIN-KEY	YES / Most Engines	YES	K

GM Switchblade Key

Cruze Peps
Start / Stop
Pushbutton



Srx/Lacrosse
Peps
Start / Stop
Pushbutton

Cruze Peps learning slot
(There's a slot for the key blade under a removable cover)

Srx/Lacrosse/
Regal Peps
learning slot
Located under
cup holder in
center console

Peps outside handle

PIN CODES & PIN CODE READING:

All the models require a 4 digit alpha numeric pin code (numbers +letters) GM can provide the pin from the VIN.
In many cases the T-CODE PRO can read the pin from the engine computer.
Success depends on the exact engine used in the car.
In the USA we have seen great success (99.9%) on models listed. However as listed 2010-2011 Camaro V6 3.6L and some models with V4 1.2L engine cannot be read.
We have only seen the V4 1.2L sold in the Canadian market, which is why we have listed them as CANADA.
The 2012 Camaro V6 3.6L reads OK, only 2010-2011 that cannot be read (at time of this printing).
NOTE: ALL These models program exactly the same as long as you can get the correct pin from GM.
PIN READING is NOT and may never be 100% on all models listed, however we have seen excellent results in USA.

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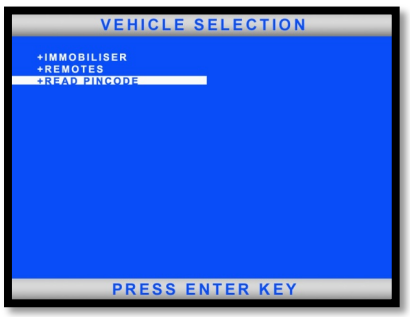
ADS-187
GM USA -2012

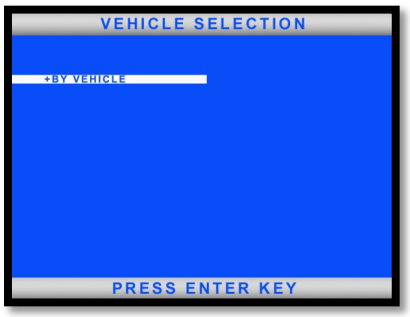
PINCODE READING

1. SELECT THE MAKE & MODEL YOU ARE WORKING ON. Start off by selecting GM USA.
2. NEXT SELECT the engine size of the vehicle.
   CHECK APPLICATIONS GUIDE FOR COVERAGE.
   PICK THE MODEL YOU ARE WORKING ON.

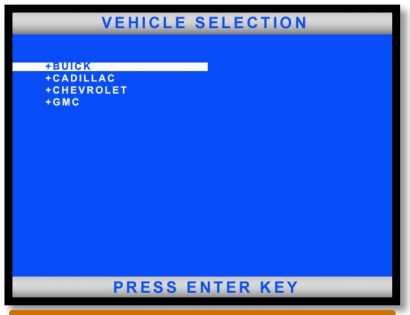
SELECT: GM USA



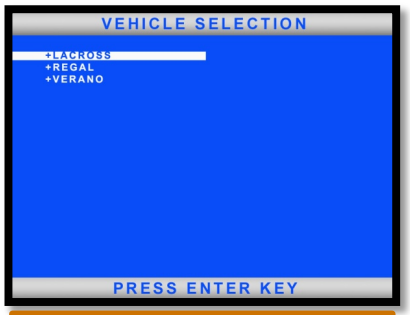
SELECT: READ PINCODE



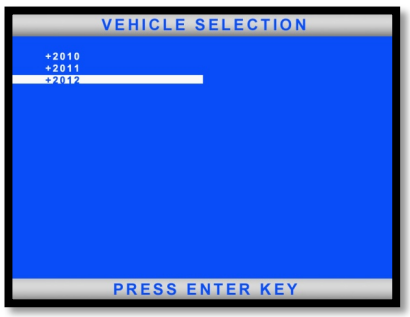
SELECT: BY VEHICLE

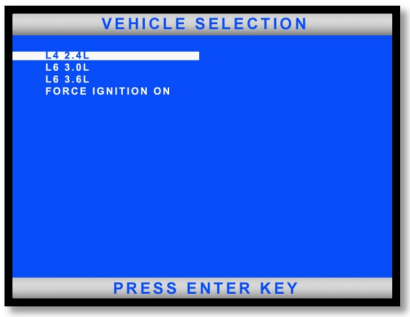


SELECT: THE MODEL YOUR PROGRAMMING



KEYED MODELS TURN IGN ON FOR PIN READING / FOR PEPS MODELS USE FORCE IGNTION ON





Make sure the IGNITION IS ON then select the engine size to read the pin.

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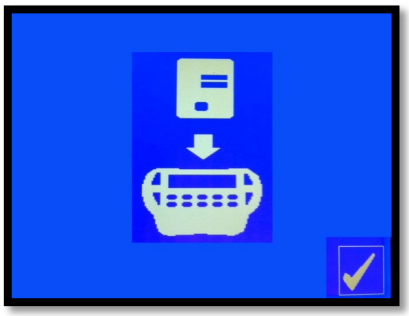
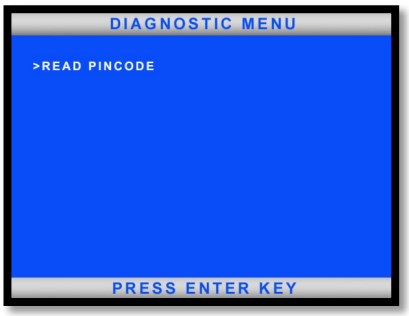
Continued Next page

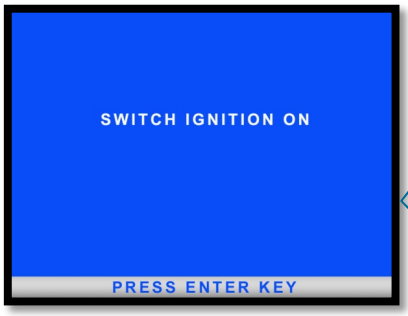
GM USA 2012 PIN CODE READING- CONTINUED



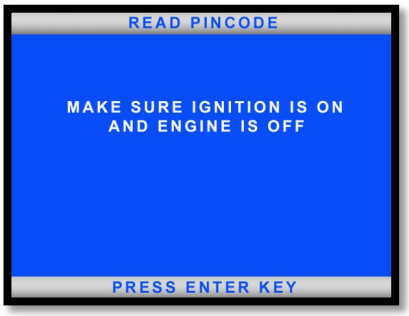
KEYED MODELS -TURN THE IGNITION ON.



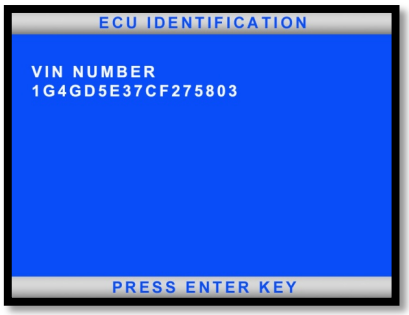
SELECT: READ PIN CODE

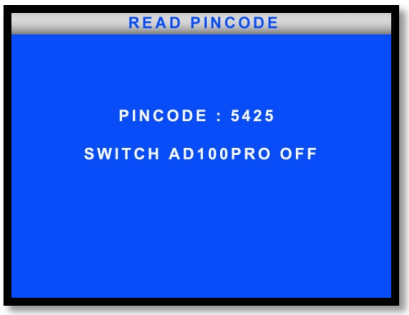


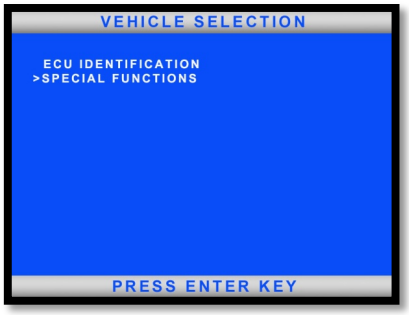
On PEPS systems if no working PEPS FOB is available, see the FORCE IGNTION ON FUNCTION on page



- THE VIN SHOULD DISPLAY







AFTER READING THE PIN:

1. WRITE THE PINCODE DOWN.....You don't want to forget it later!
2. TURN OFF AND RESTART THE PRO-
3. FOR PEPS SYSTEMS LEAVE THE IGNITION ON.
4. FOR KEYED MODELS TURN THE IGNITION OFF- WAIT 45 SECONDS.
5. NEXT STEP AFTER RESTARTING THE PRO IS GO TO IMMOBILIZER TO PROGRAM KEYS OR PEPS.

PLEASE NOTE: PINCODES CAN BE LETTERS AND OR NUMBERS. FOR EXAMPLE: NV9M IS A VALID PIN.

IF THE PRO DISPLAYS AN ERROR AND IS UNABLE TO READ THE PIN CODE CHECK THAT YOU SELECTED THE CORRECT MODEL & ENGINE SIZE

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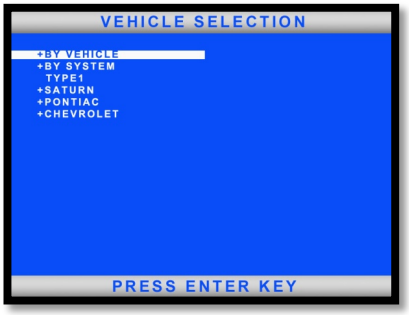
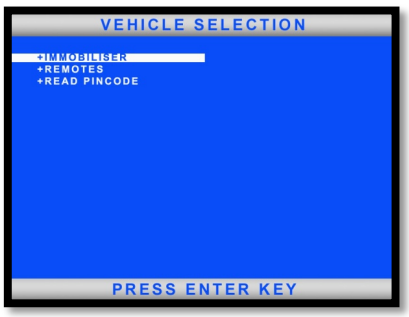
ADS-187
GM USA -2012

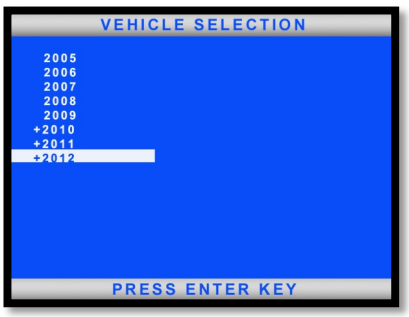
GM USA 2012 PROGRAMMING KEYED MODELS

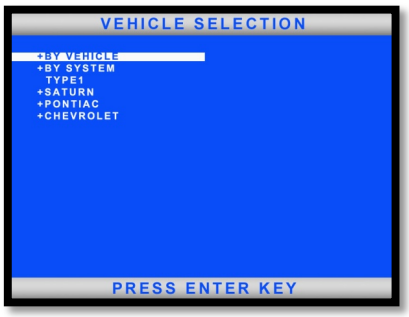


SELECT the model you are working on...

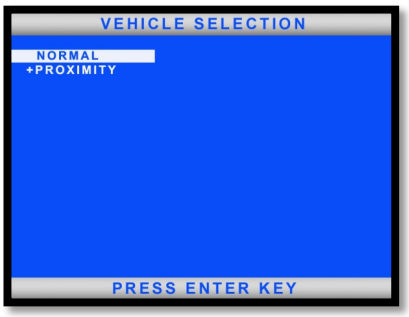


SELECT the year you are working on...





KEYED MODELS SELECT: NORMAL



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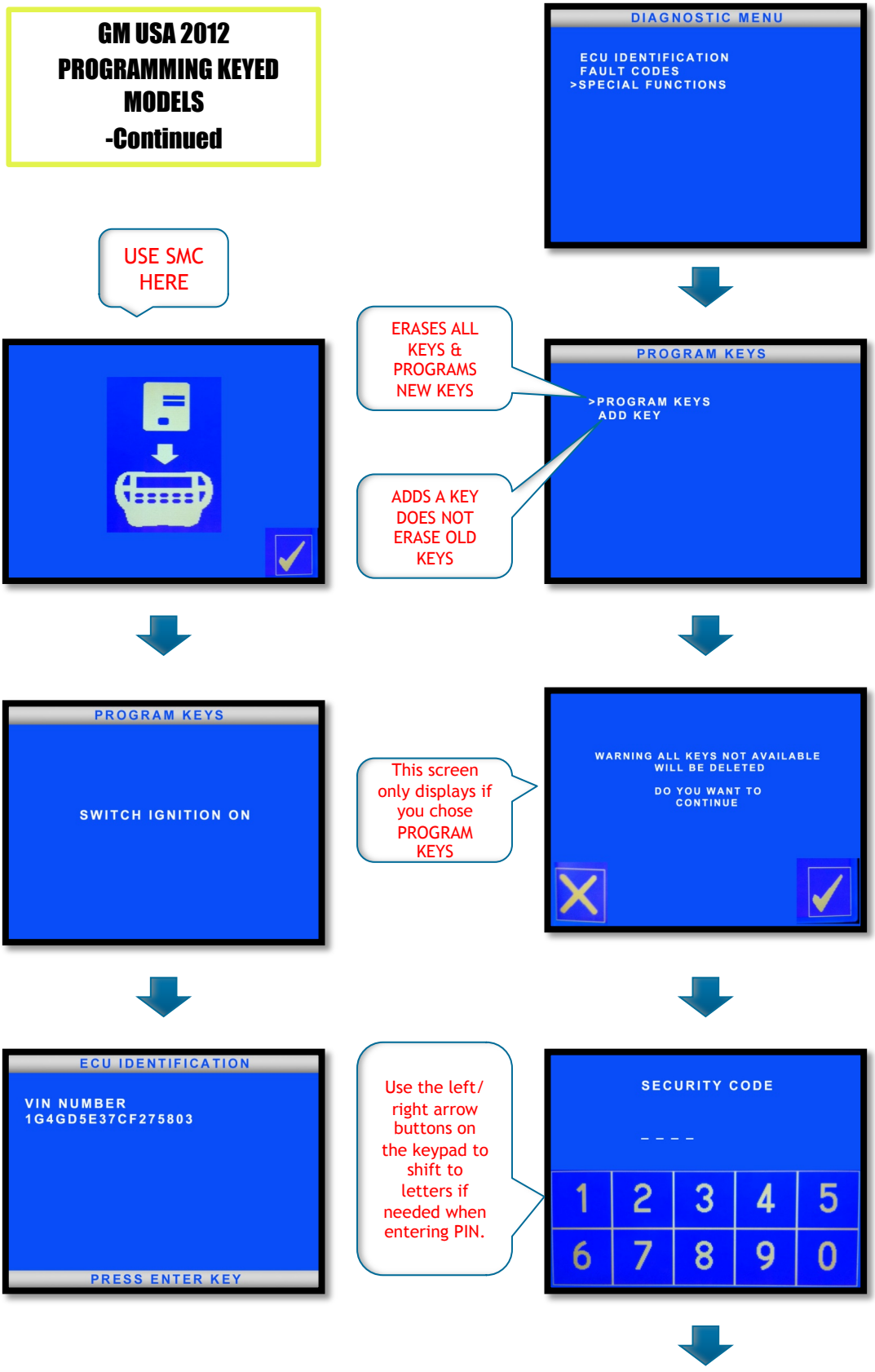
Continued Next page

GM USA 2012 PROGRAMMING KEYED MODELS -Continued


DIAGNOSTIC MENU
ECU IDENTIFICATION
FAULT CODES
>SPECIAL FUNCTIONS
USE SMC HERE
ERASES ALL KEYS & PROGRAMS NEW KEYS
ADDS A KEY DOES NOT ERASE OLD KEYS
PROGRAM KEYS
>PROGRAM KEYS
ADD KEY
PROGRAM KEYS
SWITCH IGNITION ON
This screen only displays if you chose PROGRAM KEYS
WARNING ALL KEYS NOT AVAILABLE WILL BE DELETED
DO YOU WANT TO CONTINUE
ECU IDENTIFICATION
VIN NUMBER
1G4GD5E37CF275803
PRESS ENTER KEY
Use the left/ right arrow buttons on the keypad to shift to letters if needed when entering PIN.
SECURITY CODE
_ _ _ _
1 2 3 4 5
6 7 8 9 0

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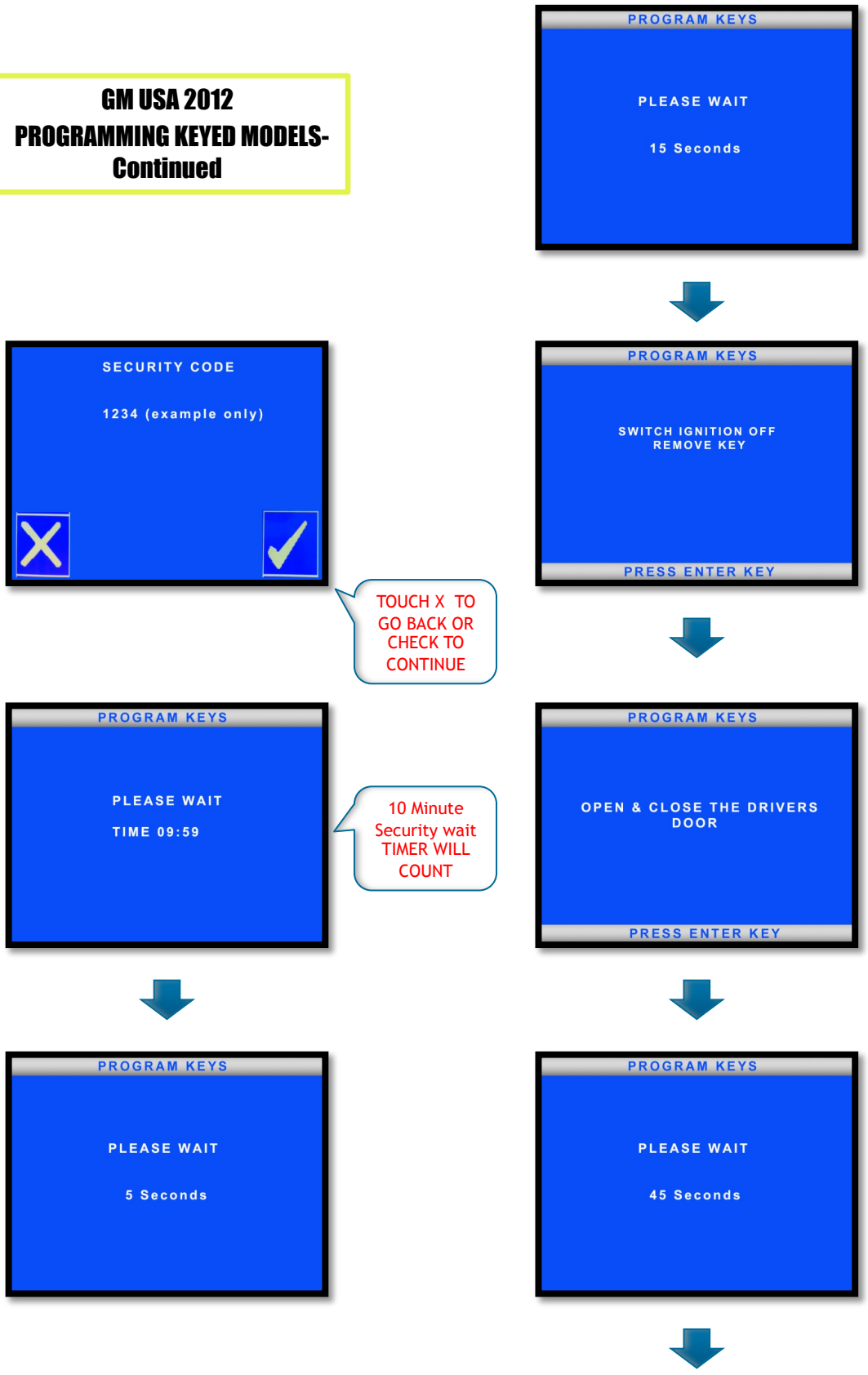
Continued Next page

GM USA 2012
PROGRAMMING KEYED MODELS- Continued



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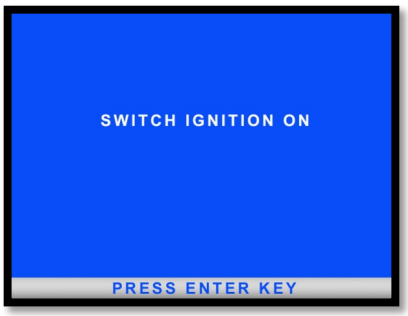
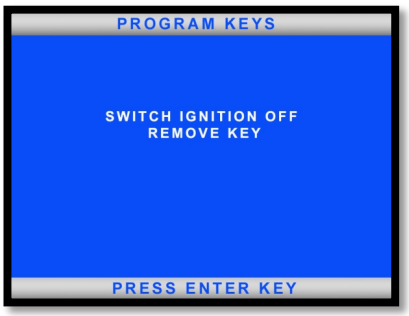
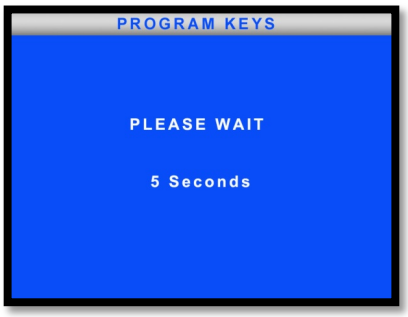
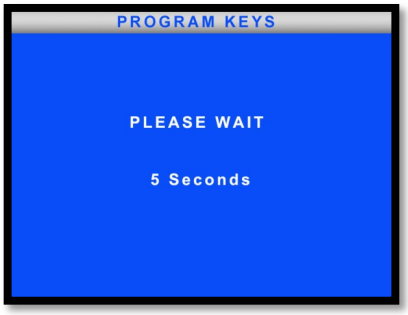
Continued Next page

GM USA 2012 PROGRAMMING KEYED MODELS- Continued









THE FINAL SCREEN WILL DISPLAY PROCEDURE COMPLETE AND THE TOTAL NUMBER OF PROGRAMMED KEYS IN THE SYSTEM

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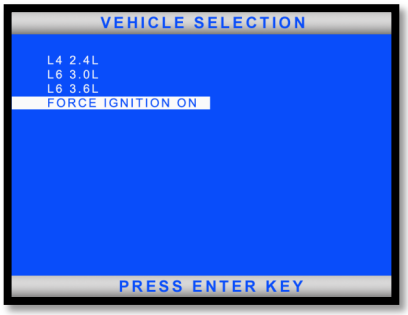
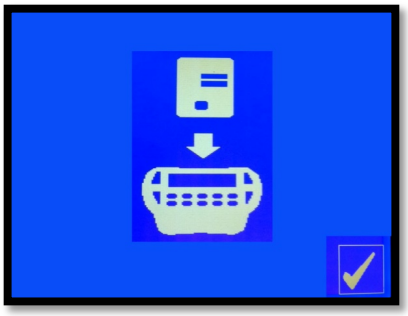
PROX / PEPS

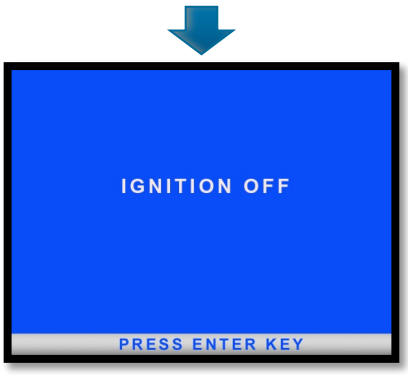
FORCE IGNITION ON FUNCTION

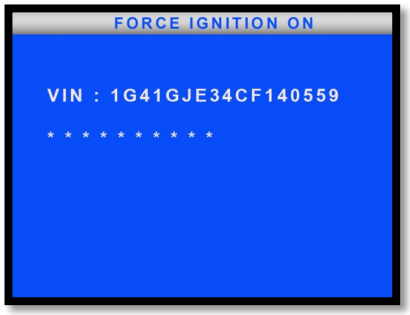
USE ON PEPS SYSTEMS WHEN NO PROGRAMMED FOB IS AVAILABLE

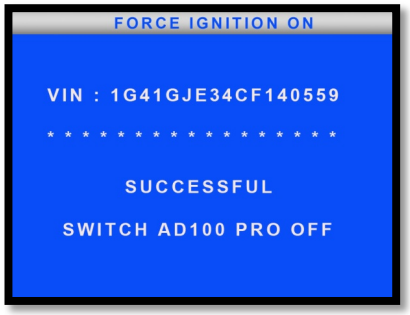
Step 1 - When working on a PEPS system is to power up the dashboard using FORCE IGNITION ON. This allows you to power up the dash when you have no programmed PEP FOB so you can proceed to pin reading & peps programming.











WHEN USING THE FORCE IGNITION FUNCTION:

Once you have the IGNITION FORCED ON **LEAVE IT ON.**
-SWITCH THE PRO OFF/ON
-PROCEED TO PIN READING.

SEE PIN READING SECTION For instructions.

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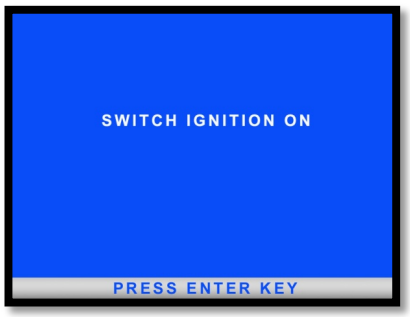
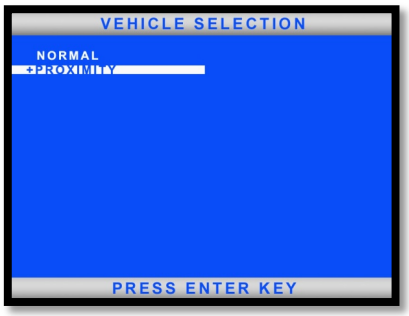
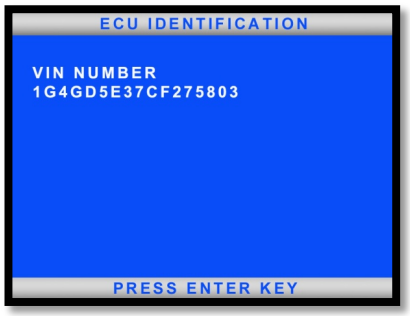
GM USA 2012
PROX / PEPS

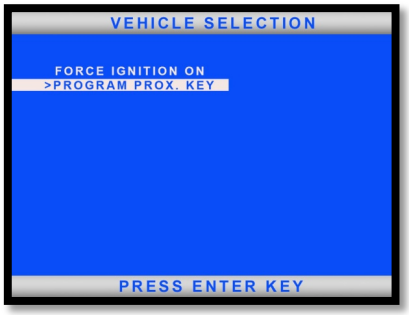
When programming PEPS systems the 1st step is always to use FORCE IGNITION ON, THEN LEAVE IT ON UNTIL THE PRO INSTRUCTS TO SWITCH IT OFF.

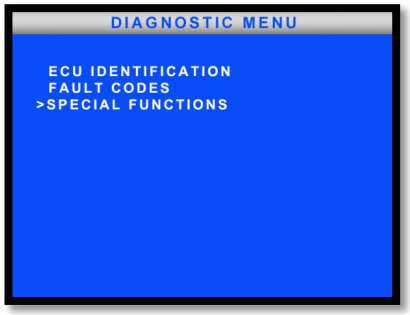
IF THE INGITION IS NOT ON THEN USE "FORCE IGNTION ON" before proceeding with the steps outlines below:

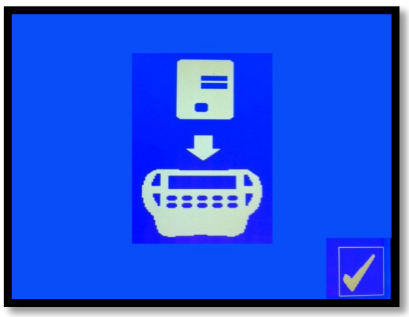












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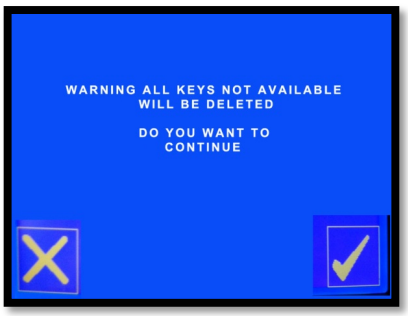
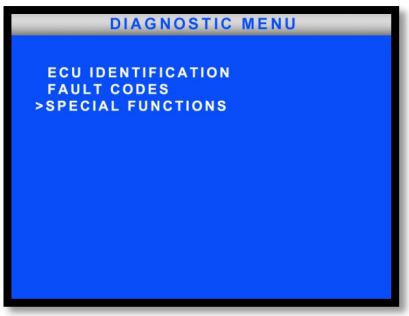
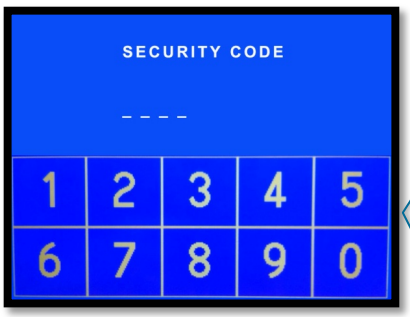
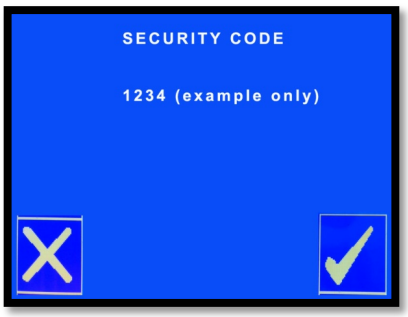
GM USA 2012
PROX / PEPS - Continued

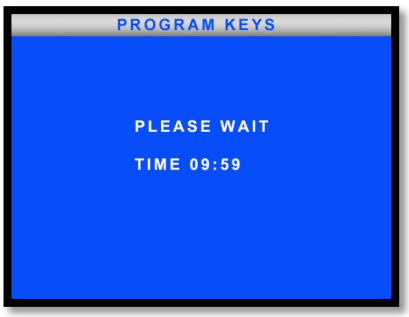


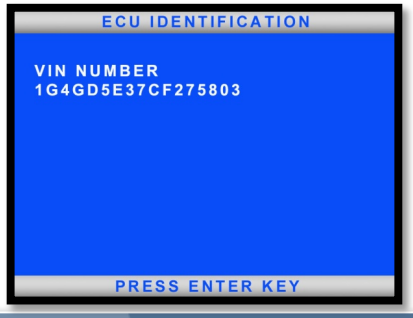




Use the left/ right arrow buttons on the keypad to shift to letters if needed when entering PIN.







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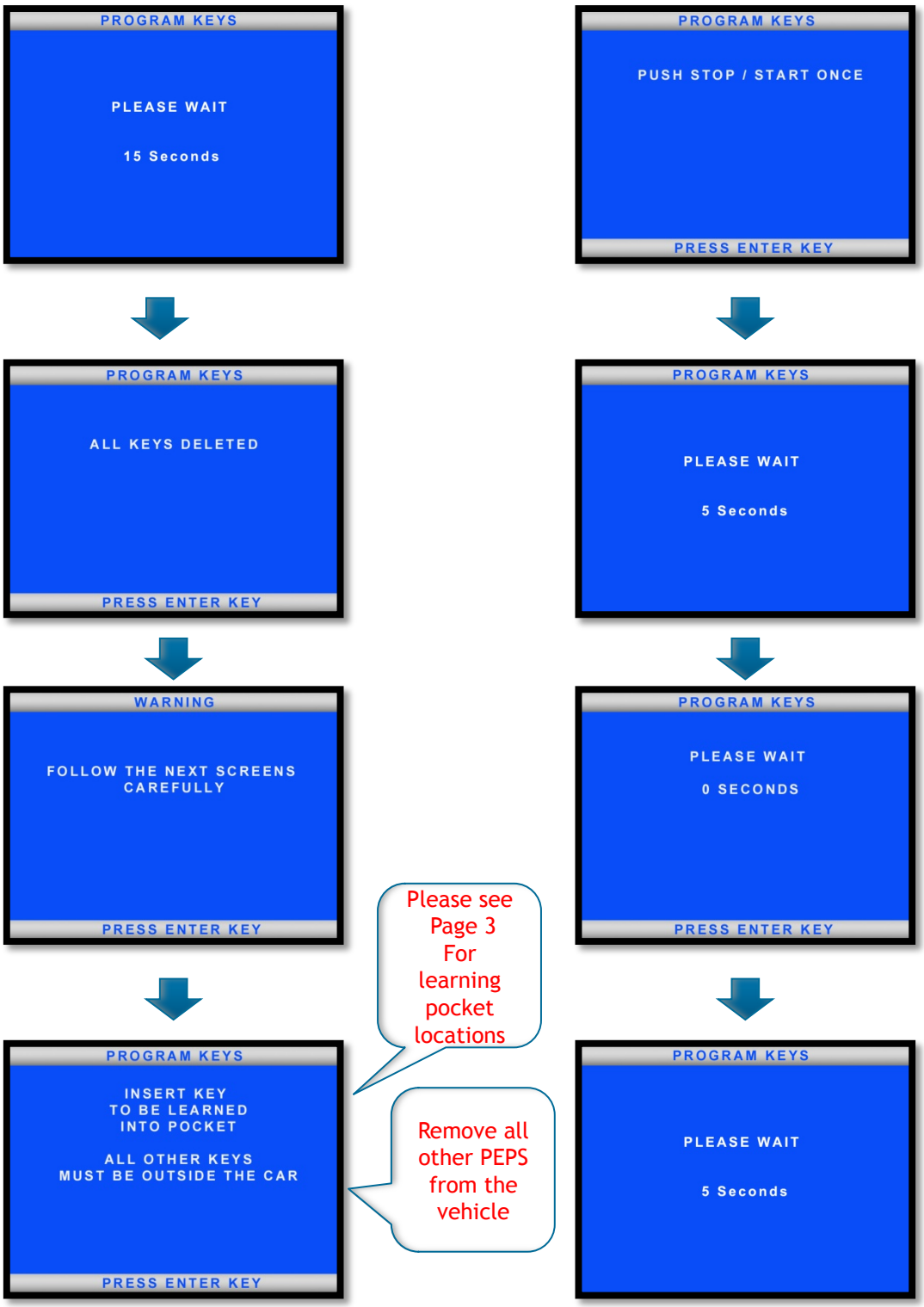
GM USA 2012
PROX / PEPS - Continued



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GM USA 2012
PROX / PEPS - Continued

Press START / STOP once or twice just until the dash shuts OFF

TO PROGRAM MORE THAN ONE PROX SELECT THE CHECKMARK.
TAKE THE 1ST PROX OUT OF THE SLOT AND REPLACE IT WITH PROX 2

However, we recommend Programming one PEPS Using the software and then use the ON-BOARD procedure for adding additional PEPS Which is the same procedure found in SECTION 1 – P2.

If your finished programming then hold the button START / STOP Button for 12 seconds.

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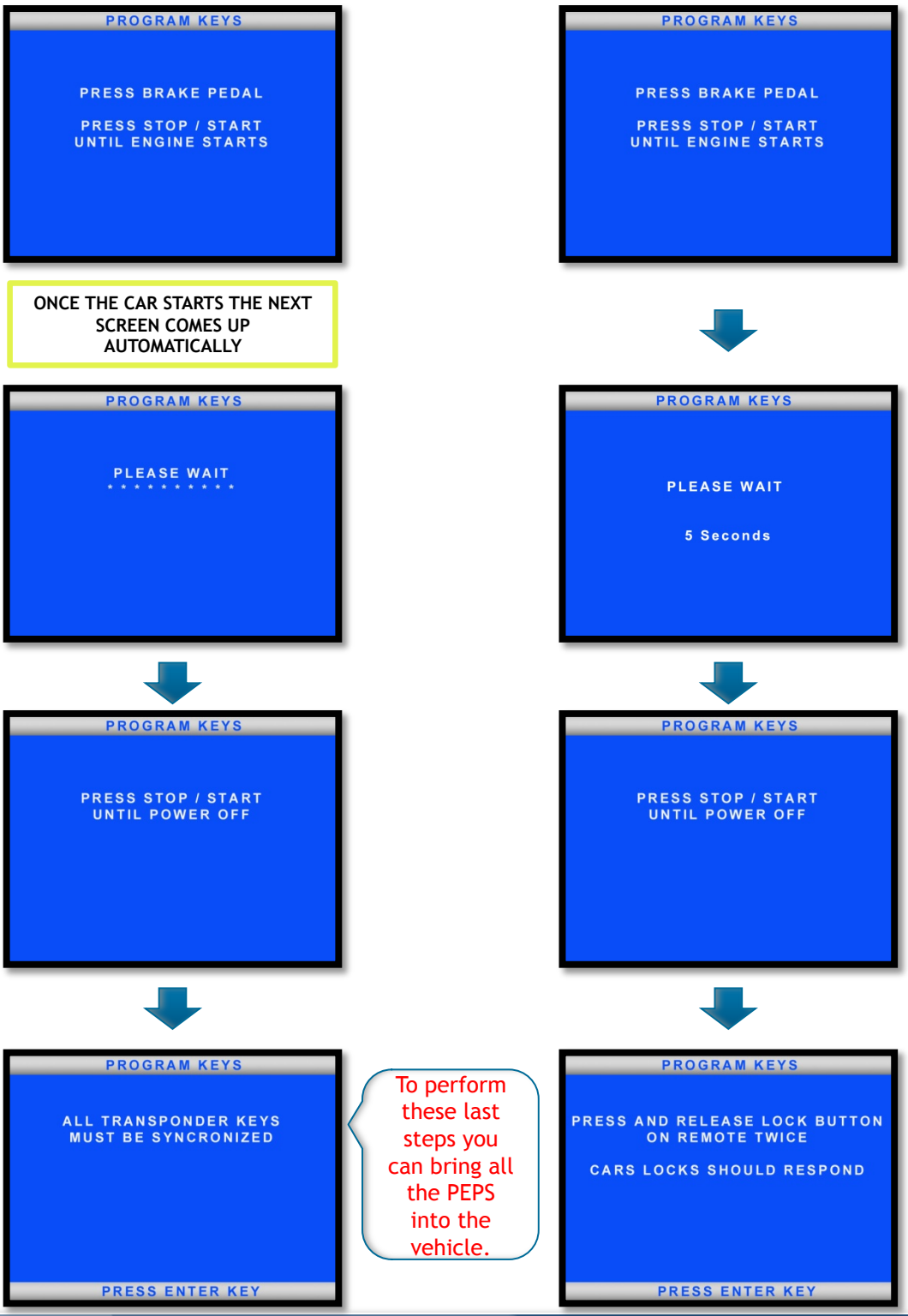
PROX / PEPS - Continued



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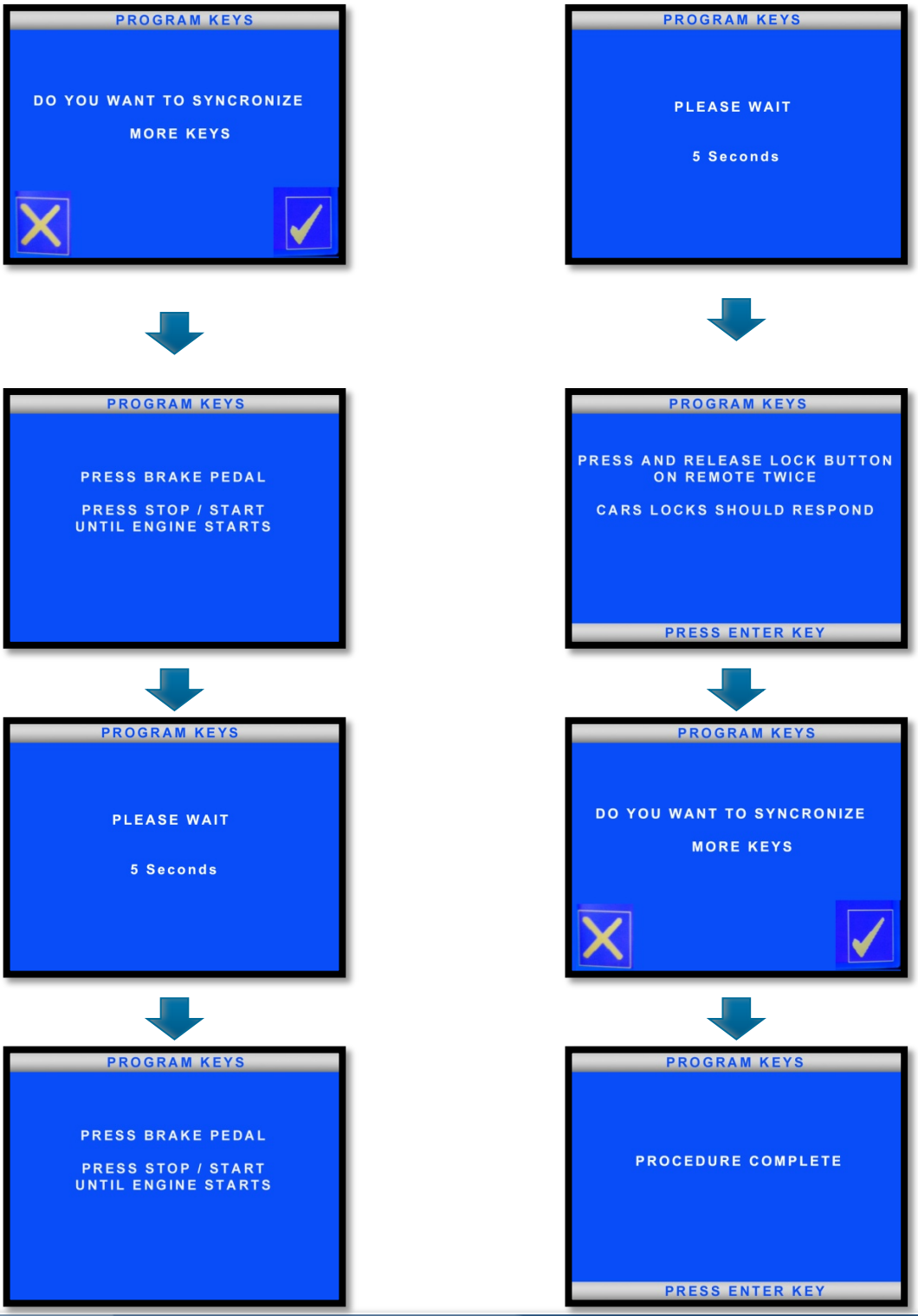
GM USA 2012
PROX / PEPS - Continued



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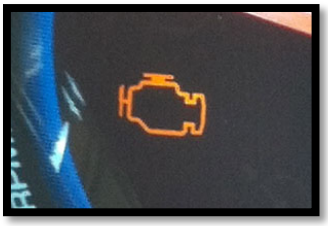
TIPS & TROUBLESHOOTING

CHECK ENGINE LIGHT:

It's not at all uncommon for the CHECK ENGINE LIGHT to illuminate after KEY/PEPS programming to RESET it go to IMMOBILIZER KEYED and select CLEAR FAULT CODES.

If the light does not go out then the problem is not related to the immobilizer.

At time of printing FAULT CODE READING on the menu is disabled. We hope to add a reading feature soon, however at present the FAULT CODE CLEARING is working perfectly.



1. Make sure vehicle battery voltage is at least 12 volts during all programming procedures.
2. The Transponder & Remote functions program at the same time on switchblade keys and PEPS FOBS. If the car starts but the remote buttons do not work then there is likely something wrong with the key. Check the batteries in the KEY/PEP as a likely cause.
3. The software is designed to REPLACE LOST KEYS and will NOT re-program modules or match mismatched components. Changed BCM modules or PCM modules will need DEALER EQUIPMENT.
4. Aftermarket scanners and gauges if installed or wired into the OBD system may interfere with pin code reading & or programming and may need to be disconnected.
5. KEYS AND PEPS are NOT Re-usable from one car to another. Be wary of any KEY/PEP that is not BRAND NEW.

   ONCE KEYS ARE USED ON A VEHICLE THEY CANNOT BE RE-USED ON ANOTHER.
6. Make sure the batteries in FOBS are OK.

Tech Support 650-351-8270

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